

CLAIMS

1. Edging mill for hot operation, with a pair of rolls (3; 4), which are arranged with their center axes (5) vertical, can be adjusted relative to each other, and are connected to a rotary drive (8) by means of cardan shafts (6, 7), characterized by stationary installation of the rotary drive motor (8) for the two rolls (3, 4) below the mill floor level (2) and by drive connection of the rotary drive motor (8) with each stationary transmission (9) and of each stationary transmission (9) with its cardan shaft (6; 7).

2. Edging mill in accordance with Claim 1, characterized by the fact that the rotary drive motor (8) is connected to each cardan shaft (6, 7) by means of a continuous drive shaft (10) with detached bevel gears on both sides (11) and spur gears (12).

3. Edging mill in accordance with Claim 1 or Claim 2, characterized by the fact that the adjustment drives (14, 15) are installed on both sides of the vertical rolls (3, 4) above the mill floor level (2).

4. Edging mill in accordance with any of Claims 1 to 3, characterized by the fact that deflector plates (24, 25) are mounted on the receivers (22, 23) for the heads of the cardan shafts (6, 7) and can be moved together with the rolls (3, 4).

5. Edging mill in accordance with Claim 4, characterized by the fact that the movable deflector plates (24, 25) form an essentially vertical, first shaft (26).

6. Edging mill in accordance with Claims 4 and 5, characterized by the fact that a second shaft (27) that follows the first shaft (26) is formed between the stationary spur gears (12) of the cardan shafts (6, 7) by stationary deflector plates (27a, 27b).

7. Edging mill in accordance with any of Claims 4 to 6, characterized by the fact that the stationary deflector plates (27a, 27b) form a trapezoidal or conical inlet (28) that follows and is directly opposite the movable deflector plates (24, 25).

8. Edging mill in accordance with any of Claims 4 to 7, characterized by the fact that a trough-like collecting pit (29) is formed below the second shaft (27) for carrying away dirt, scale, wastewater, and the like.